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FOURTH ANNUAL REPORT

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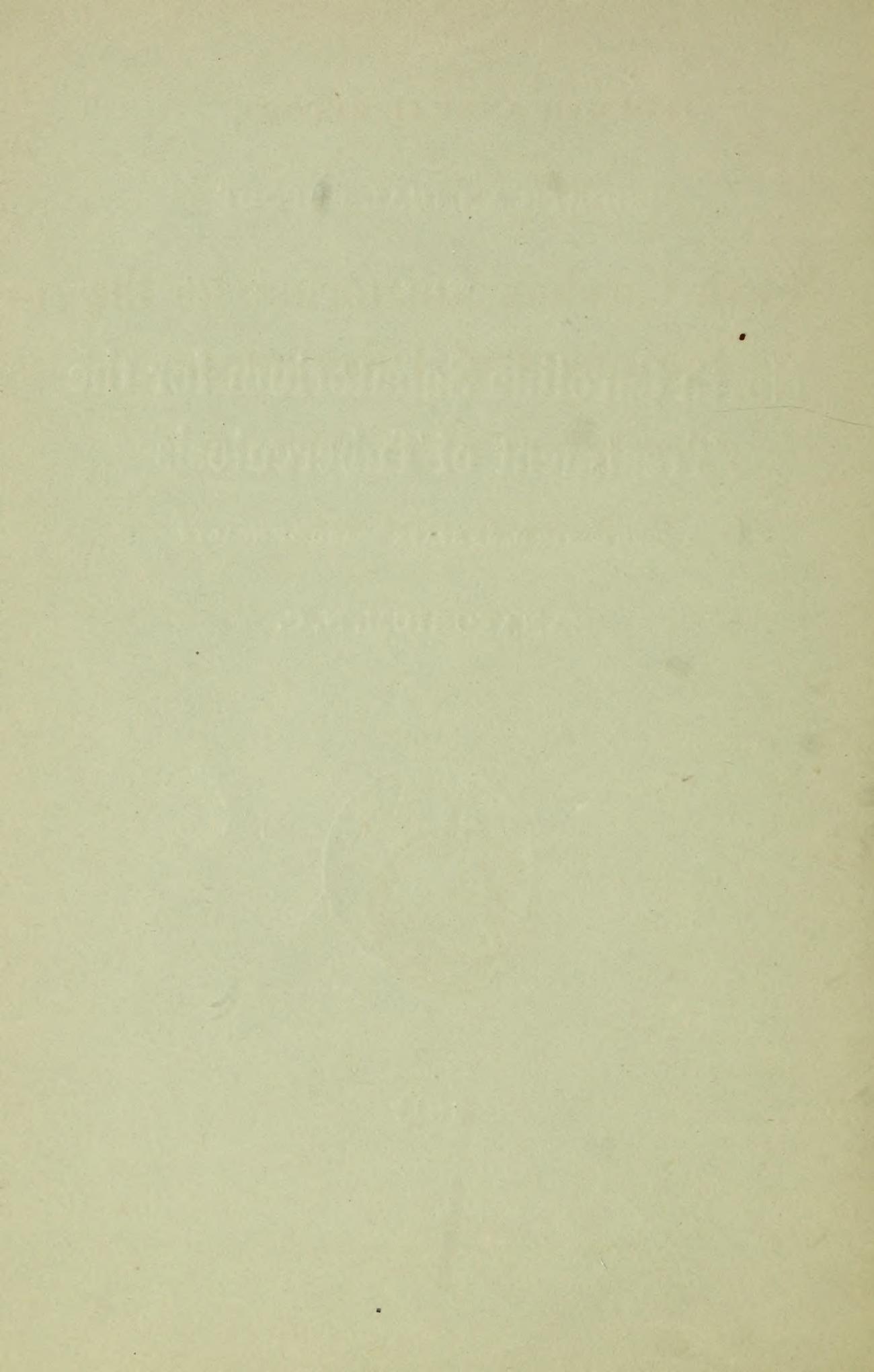
North Carolina Sanatorium for the Treatment of Tuberculosis

UNDER CONTROL OF STATE BOARD OF HEALTH

SANATORIUM, N. C.



1917



FOURTH ANNUAL REPORT

OF THE

North Carolina Sanatorium for the Treatment of Tuberculosis

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1917



RALEIGH
EDWARDS & BROUGHTON PRINTING COMPANY
STATE PRINTERS
1919

SIGNS OF TUBERCULOSIS

A hemorrhage of the lungs means tuberculosis without exception.

A subnormal temperature (by the thermometer) in the morning and a rise of temperature in the afternoon means tuberculosis 99 times in 100, and often the other time, too.

A low blood pressure, taken with the proper instrument, is suggestive of tuberculosis.

A cough that lasts more than three weeks should suggest tuberculosis and should call for an examination by a competent physician.

The tubercle bacillus in the sputum is a positive sign of tuberculosis, but the diagnosis should be made long before the bacillus can be found.

The earlier the diagnosis of tuberculosis is made, the greater are the chances for recovery. The later in its course the disease is found, the less are the chances for recovery.

NORTH CAROLINA SANATORIUM FOR THE TREATMENT OF TUBERCULOSIS

(Under the control of the State Board of Health)

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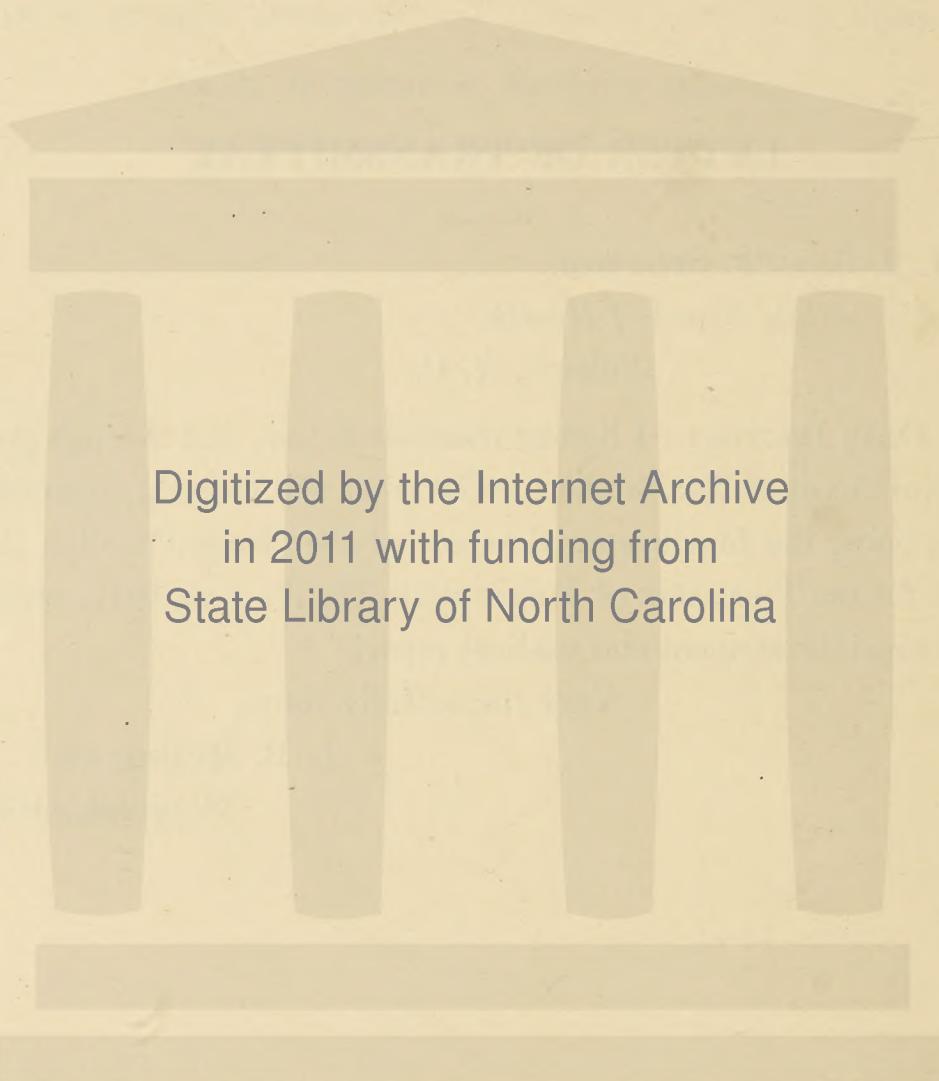
MISS R. WITHERS, Assistant Secretary

LETTER OF TRANSMITTAL

DR. W. S. RANKIN, *Secretary,*
State Board of Health,
Raleigh, N. C.

MY DEAR DOCTOR:—I hereby transmit to you, and through you to the State Board of Health and the Governor and General Assembly, a report, being the fourth annual report of the North Carolina Sanatorium for the Treatment of Tuberculosis, for the year 1917, covering only financial statement and medical report.

Very respectfully yours,
L. B. McBRAYER,
Superintendent.



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MEDICAL REPORT

DEFINITIONS OF TERMS EMPLOYED

ON ADMISSION

These definitions indicate the furthest extent of disease and the greatest severity of symptoms that a patient can present and still belong to the stage defined. All patients beyond the incipient stage fall under the moderately advanced stage unless the physical signs and symptoms exceed those of the moderately advanced stage, when they should be classified as far advanced.

Incipient.

Slight or no constitutional symptoms (including, particularly, gastric or intestinal disturbance or rapid loss of weight). Slight or no elevation of temperature or acceleration of pulse at any time during the twenty-four hours.

Expectoration usually small in amount or absent. Tubercle bacilli may be present or absent.

Slight infiltration limited to the apex of one or both lungs or a small part of one lobe.

No tuberculous complications.

Moderately Advanced.

No marked impairment of function, either local or constitutional.

Localized consolidation moderate in extent with little or no evidence of cavity formation; or infiltration more extensive than under incipient. No serious complications.

Far Advanced.

Marked impairment of function, local and constitutional.

Marked consolidation of an entire lobe.

Or disseminated areas of beginning cavity formation.

Or serious complications.

Miliary Tuberculosis.

ON DISCHARGE

Arrested.

All constitutional symptoms and expectoration with bacilli absent for a period of six months; the physical signs to be those of a healed lesion.

Apparently Arrested.

All constitutional symptoms and expectoration with bacilli absent for a period of three months; the physical signs to be those of a healed lesion.

Quiescent.

Absence of all constitutional symptoms, expectoration and bacilli may or may not be present; physical signs stationary or retrogressive. The foregoing conditions to have existed for at least two months.

Improved.

Constitutional symptoms lessened or entirely absent; physical signs improved or unchanged; cough and expectoration with bacilli usually present.

Unimproved.

All essential symptoms and signs unabated or increased.

TERMS USED IN DEFINITION OF "INCIPIENT"

1. *Slight Constitutional Disturbance.*

Slight loss of appetite, of strength, of weight; lassitude; possibly slight acceleration of pulse or possibly slight elevation of temperature. The impairment of health may be so slight that the patient does not look or feel sick in the ordinary sense of the word.

2. *Slight Elevation of Temperature.*

Maximum temperature after rest for one hour, never goes 99.5 to 100 degrees F. by mouth (or 100.5 per rectum).

3. *Slight Acceleration of Pulse.*

Maximum pulse rate not over 90 after rest for one hour, sitting or lying, except when due to causes other than tuberculosis.

4. *Absence of Tuberclle Bacilli.*

Each monthly examination (if the sputum be negative), to consist of a careful microscopic examination, with a mechanical stage, of two smears, devoting at least three minutes to each smear, made from selected particles (at least six from different parts) of the sputum on each of three successive days. The morning sputum should always be obtained, or, better, the minute bits that some arrested patients raise at very infrequent intervals. It is not yet deemed wise to insist on digestion and centrifugalization, or on inoculation of guinea pigs.

5. *Infiltration.*

Physical signs of slight prominence of the clavicle, lessened movement of chest, narrowing of apical resonance with lessened movement of base of lung, slight or no change in resonance, distant or loud and harsh breathing, with or without some change in the rhythm (i. e., prolonged expiration); vocal resonance possibly slightly increased; or fine or moderately coarse râles present or absent. If sputum contains tubercle bacilli, any one of these.

6. *Apex.*

That portion of the lung situated above the clavicle and the third vertebral spine.

7. *Small Part of One Lobe.*

An area of one or two intercostal spaces, or an area not exceeding 60 to 80 sq. cm. in extent, according to the size of the patient.

TERMS USED IN DEFINITION OF "MODERATELY ADVANCED"

8. *Marked Impairment of Function, Either Local or Constitutional.*

Local: Marked dyspnea on exertion, limiting seriously the patient's activity.

Constitutional: Marked weakness, anorexia, tachycardia.

9. *Moderate Extent of Localized Consolidation.*

An area of one-half lobe or less, but may involve both apices; marked dullness, bronchial or decidedly broncho-vesicular breathing; markedly increased vocal resonance; râles usually present. These signs are to be sharply limited as to area instead of gradually shading into normal physical signs.

10. *Evidences of Destruction of Tissue.*

Presence of tubercle bacilli or elastic fibers in the sputum or the presence of the physical signs of a cavity. There are no absolutely certain physical signs of cavity, but a combination of any four of the following signs is to be taken as indicative of a cavity: (1) cracked-pot note; (2) amphoric breathing; (3) intense whispering pectoriloquy; (4) a veiled puff or post-tussive suction; (5) bubbling or resonant râles. "Physical signs of softening" do not admit of any definition apart from that of cavity formation, and the terms should not be used.

11. *Disseminated Fibroid Deposits.*

More or less localized areas of fibrous tissue, producing on physical examination some change or dullness in the percussion note, more or less increase of vocal resonance, harsh, suppressed, or broncho-vesicular breathing, râles sibilant or sonorous usually, but at times fine and moderately coarse.

12. *Serious Complications.*

These should be limited to tuberculous complications, such as meningitis, pharyngitis, laryngitis (except slight thickening in the posterior interarytenoid space, and superficial ulceration of a vocal chord), enteritis, peritonitis, nephritis, cystitis, orchitis, adenitis (unless very slight), etc.

MEDICAL REPORT, 1917

STATISTICAL

Number patients to be reported on.....	319
Number not tuberculous	1
Number patients in Sanatorium December 1, 1917.....	126
Total number patients treated during the year.....	446

35 PATIENTS WHO STAYED LESS THAN 30 DAYS.

Condition on Admission	Condition on Discharge					
	Arrested	Apparently Arrested	Quiescent	Improved	Unimproved	Died
Incipient.....	9	0	0	9	0	0
Moderately advanced.....	11	0	0	10	1	0
Far advanced.....	15	0	0	7	7	1
Acute tuberculosis.....	0	0	0	0	0	0
Totals.....	35	0	0	26	8	1

Total number days, 667. Average stay, 19.05 days. Longest stay, 29 days. Shortest stay, 3 days.

Number Gained Weight, 24	Number Lost Weight, 6
Average gain.....	3.9 Lbs.
Largest gain.....	14 Lbs.
Smallest gain.....	.5 Lb.
Stationary.....	1
Average loss.....	1.6 Lbs.
Largest loss.....	3 Lbs.
Smallest loss.....	.5 Lb.
Not weighed.....	4

80 PATIENTS WHO STAYED 30 TO 89 DAYS.

Condition on Admission	Condition on Discharge					
	Arrested	Apparently Arrested	Quiescent	Improved	Unimproved	Died
Incipient.....	22	0	11	11	0	0
Moderately advanced.....	39	0	13	24	2	0
Far advanced.....	19	0	1	8	8	2
Acute tuberculosis.....	0	0	0	0	0	0
Totals.....	80	0	0	43	10	2

Total number days, 4,592. Average stay, 57.4 days. Longest stay, 89 days. Shortest stay, 30 days.

Number Gained Weight, 69	Number Lost Weight, 10
Average gain.....	9.52 Lbs.
Largest gain.....	26 Lbs.
Smallest gain.....	.75 Lb.
Stationary.....	1
Average loss.....	4.05 Lbs.
Largest loss.....	8 Lbs.
Smallest loss.....	.50 Lb.

THE NORTH CAROLINA SANATORIUM

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204 PATIENTS WHO STAYED 90 DAYS OR MORE.

Condition on Admission	Condition on Discharge					
	Arrested	Apparently Arrested	Quiescent	Improved	Unimproved	Died
Incipient-----	67	19	37	2	7	2
Moderately advanced-----	78	14	15	27	17	5
Far advanced-----	59	0	3	16	25	10
Acute tuberculosis-----	0	0	0	0	0	0
Totals-----	204	33	55	45	49	17
						5

Total number days, 38,252. Average stay, 187.5 days. Longest stay, 695 days. Shortest stay, 90 days.

Number Gained Weight, 173	Number Lost Weight, 26
Average gain-----	16.35 Lbs.
Largest gain-----	48.50 Lbs.
Smallest gain-----	1 Lb.
Stationary-----	1

HISTORY OF HEMORRHAGE.

Negative-----	218
Positive { Previous only-----	78
Positive { Previous and during residence-----	15
Positive { During residence only-----	8
Total-----	319

RESULTS OF SPUTUM EXAMINATIONS.

Negative or no sputum-----	147
Positive { On admission-----	159
Positive { During residence-----	148
Positive { On discharge-----	139

5 PATIENTS WHO TOOK THE TUBERCULIN TEST.

Positive-----	4
Negative-----	1
Total-----	5

COMPLICATIONS.

Adenitis-----	1	Hemorrhoids-----	1	Plumbism-----	1
Anal fistula-----	7	Herpes zoster-----	2	Pregnancy-----	4
Appendicitis-----	1	Laryngitis-----	47	Sciatica-----	1
Asthma-----	3	Meningitis-----	2	Scoliosis-----	1
Bronchitis-----	13	Mitral insufficiency-----	2	Septic arthritis-----	1
Broncho-pneumonia-----	1	Otitis media-----	3	Spontaneous pneumo-thorax	2
Carcinoma-----	2	Paranoia-----	1	Syphilis-----	1
Cellulitis-----	1	Parenchymatous nephritis	6	Tabes dorsalis-----	1
Enteritis-----	15	Peritonitis-----	3	Tuberculous knee-----	1
Gonorrhea-----	1	Pharyngitis-----	1	Tuberculous sternum-----	1
		Pleurisy with effusion-----	8		

SEX, AGE AND CIVIL CONDITION.

Sex	Age						Civil Condition			
	8-19	20-29	30-39	40-49	50-59	60-70	Single	Married	Widowed	
Male.....	176	20	73	41	25	16	1	90	81	5
Female.....	143	20	62	38	18	5	0	64	73	6
Totals.....	319	40	135	79	43	21	1	154	154	11

NATIONALITY.

American.....	316
Scotchman.....	1
Swede.....	1
Syrian.....	1
Total.....	319

OCCUPATIONS.

Barber.....	1	Rural mail carrier.....	1
Blacksmith.....	1	Mechanics.....	3
Bookkeepers.....	4	Merchants.....	9
Brickmason.....	1	Ministers.....	3
Butchers.....	2	Motormen—street car.....	2
Cafe manager.....	1	News butcher.....	1
Cafe waiter.....	1	Nurse—graduate.....	1
Canning club demonstrator.....	1	Nurse—practical.....	2
Carpenters.....	5	Nurse—pupil.....	2
Chauffeur.....	1	Painter.....	1
Civil engineer.....	1	Photographer.....	1
Cashier of bank.....	1	Physicians.....	2
Cashier of motion pictures.....	1	Policeman.....	1
Clerks in office.....	4	Printer.....	1
Clerks in store.....	8	Proofreader.....	1
Contractors.....	2	Plumber.....	1
Day laborer.....	1	Proprietor garage.....	1
Drayman.....	1	Proprietors lumber mills.....	2
Electricians.....	2	Railway car inspector.....	1
Employee box factory.....	1	Railway conductor.....	1
Employees cotton mill.....	10	Railway fireman.....	1
Employees hosiery mill.....	3	Railway station agent.....	1
Farmers.....	50	Real estate agent.....	1
Fisherman.....	1	Sailor.....	1
Foreman in cotton mill.....	4	Seamstresses.....	2
Foreman in fertilizer factory.....	1	Shipping clerk.....	1
Glass-blower.....	1	Shoemaker.....	1
Housekeeper.....	1	Stenographers.....	8
Housemaid.....	1	Students.....	36
Housewives.....	65	Superintendent of school.....	1
House work at home.....	25	Teachers.....	9
Laundress.....	1	Telephone linemen.....	2
Lawyer.....	1	Telephone manager.....	1
Linotype operators.....	2	Teller.....	1
Machinists.....	5	Traveling salesmen.....	5

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COUNTIES FROM WHICH 319 PATIENTS CAME.

Alamance	11	Forsyth	11	Pasquotank	5
Anson	5	Gaston	3	Pender	1
Beaufort	2	Granville	3	Person	2
Bertie	3	Guilford	22	Pitt	7
Bladen	4	Halifax	8	Randolph	1
Buncombe	5	Harnett	6	Richmond	3
Burke	3	Henderson	1	Robeson	13
Cabarrus	8	Hertford	3	Rockingham	1
Caldwell	1	Hoke	1	Rowan	8
Camden	1	Hyde	1	Rutherford	1
Carteret	2	Iredell	4	Sampson	8
Caswell	2	Johnston	4	Scotland	7
Catawba	1	Lee	2	Stanly	8
Cleveland	6	Lenoir	5	Stokes	2
Columbus	3	Lincoln	1	Surry	6
Craven	3	Martin	7	Swain	1
Cumberland	7	Mecklenburg	4	Union	2
Currituck	2	Montgomery	6	Vance	4
Davidson	4	Moore	1	Wake	16
Davie	1	Nash	2	Washington	1
Duplin	4	New Hanover	3	Wayne	3
Durham	5	Northampton	1	Wilson	9
Edgecombe	7	Orange	3	Yadkin	3

TOWNS FROM WHICH 319 PATIENTS CAME.

Aberdeen	1	Connelly Springs	1	Gold Hill	1
Ahoskie	1	Cooper	3	Goldsboro	2
Albemarle	5	Cornelius	2	Graham	2
Ansonville	1	Creedmoor	1	Greensboro	10
Apex	4	Currituck	1	Greenville	3
Asheboro	1	Cycle	1	Guilford	1
Asheville	4	Delway	1	Halifax	1
Auburn	1	Duke	2	Hallsboro	1
Aulander	1	Dundarrach	1	Hamer	1
Bath	1	Dunn	1	Hamlet	2
Beaufort	1	Durham	4	Hamptonville	1
Bellarthur	1	East Durham	1	Hassell	1
Black Mountain	1	Edgewald	1	Hayne	1
Bladenboro	1	Elizabeth City	5	Henderson	3
Blanch	1	Elizabethtown	1	Hickory	1
Bosts Mill	1	Elkin	2	Hiddenite	1
Bridgeton	1	Enfield	1	High Point	6
Brown Summit	1	Everetts	1	High Towers	1
Burlington	6	Evergreen	1	Hobgood	1
Cana	1	Etowah	1	Hope Mills	1
Canby	1	Fairfield	1	Indian Trail	1
Candor	1	Fairmont	1	Ingold	1
Carpenter	1	Fair Oaks	2	Jamesville	1
Casar	1	Farmville	2	Jonesboro	1
Chapel Hill	3	Fayetteville	2	Jonesville	1
Charlotte	1	Forest City	1	Judson	1
Cherryville	1	Fountain	1	Julian	1
Chocowinity	1	Four Oaks	1	Kelford	1
Clarkton	1	Fremont	1	Kerr	1
Climax	1	Fuquay Springs	1	Kinston	3
Clinton	4	Gastonia	1	Kipling	1
Cofield	1	Gibson	1	LaGrange	2
Concord	7	Gliden	1	Laurel Hill	2

TOWNS FROM WHICH 319 PATIENTS CAME—CONTINUED.

Laurinburg.....	3	Pilot Mountain.....	1	Spencer.....	2
Lenoir.....	1	Pinnacle.....	1	Spring Hope.....	2
Lexington.....	3	Plymouth.....	1	Stedman.....	1
Lillington.....	2	Polkton.....	2	Statesville.....	2
Lincolnton.....	1	Powells Point.....	1	Stokesdale.....	1
Linden.....	1	Princeton.....	1	St. Pauls.....	2
Lucama.....	1	Proctorville.....	1	Summerfield.....	1
Lumberton.....	5	Raleigh.....	14	Tarboro.....	1
McAdenville.....	1	Red Springs.....	2	Taylorsville.....	1
McFarlan.....	1	Roanoke Rapids.....	1	Waco.....	1
Maxton.....	1	Robersonville.....	2	Wadesboro.....	1
Mayodan.....	1	Rock Creek.....	1	Wakefield.....	1
Monroe.....	2	Rockford.....	1	Walnut Cove.....	1
Mooresville.....	2	Rockingham.....	1	Warsaw.....	4
Morehead City.....	1	Rocky Mount.....	5	Wendell.....	1
Morganton.....	2	Rosemary.....	2	Whitakers.....	1
Morrisville.....	2	Rowland.....	1	Willard.....	1
Mount Airy.....	2	Roxobel.....	1	Williamston.....	2
Mount Gilead.....	3	Roxboro.....	2	Wilmington.....	3
Neuse.....	1	Salisbury.....	5	Wilson.....	5
New Bern.....	2	Sanford.....	1	Windsor.....	1
Nilson.....	1	Scotland Neck.....	2	Winston-Salem.....	10
Norwood.....	3	Shelby.....	4	Winterville.....	1
Okeeneemee.....	1	Simms.....	2	Winton.....	1
Oxford.....	2	Smithfield.....	2	Youngsville.....	1
Pfafftown.....	1	South Mills.....	1	Zebulon.....	1
		Southmont.....	1		

OUTSIDE PATIENTS EXAMINED FOR DIAGNOSIS AND CONSULTATION.

December.....	24	April.....	39	August.....	57
January.....	33	May.....	61	September.....	66
February.....	34	June.....	43	October.....	36
March.....	35	July.....	41	November.....	67
Total.....					536

PRESENT CONDITION OF ALL INCIPIENT PATIENTS DISCHARGED FROM THE SANATORIUM PREVIOUS TO DECEMBER 1, 1916.

THE NORTH CAROLINA SANATORIUM

Condition on Discharge	Condition December 1 1917	Without Tuberulin			With Tuberulin			Total
		Discharged, 1914	Discharged, 1915	Discharged, 1916	Discharged, 1914	Discharged, 1915	Discharged, 1916	
Arrested 14	Living and working.....	0	5	9	0	0	0	14
	Living and not working.....	0	0	0	0	0	0	0
	Dead.....	0	0	0	0	0	0	0
	Lost.....	0	0	0	0	0	0	0
Apparently Arrested 39	Living and working.....	2	9	24	0	0	0	35
	Living and not working.....	1	0	3	0	0	0	4
	Dead.....	0	0	0	0	0	0	0
	Lost.....	0	0	0	0	0	0	0
Quiescent 25	Living and working.....	5	8	10	0	0	0	23
	Living and not working.....	0	0	1	0	0	0	1
	Dead.....	0	1	0	0	0	0	1
	Lost.....	0	0	0	0	0	0	0
Improved 30	Living and working.....	2	7	16	0	0	0	25
	Living and not working.....	0	1	3	0	0	0	4
	Dead.....	0	1	0	0	0	0	1
	Lost.....	0	0	0	0	0	0	0
Unimproved 1	Living and working.....	0	0	1	0	0	0	1
	Living and not working.....	0	0	0	0	0	0	0
	Dead.....	0	0	0	0	0	0	0
	Lost.....	0	0	0	0	0	0	0
Total 109	Living and working.....							98
	Living and not working.....							9
	Dead.....							2
	Lost.....							0

PRESENT CONDITION OF ALL MODERATELY ADVANCED PATIENTS DISCHARGED FROM SANATORIUM PREVIOUS TO DECEMBER 1, 1916.

Condition on Discharge	Condition December 1, 1917	Without Tuberculin			With Tuberculin			Total
		Discharged, 1914	Discharged, 1915	Discharged, 1916	Discharged, 1914	Discharged, 1915	Discharged, 1916	
Arrested 25	Living and working.....	0	4	16	0	1	1	22
	Living and not working.....	0	0	2	0	0	0	2
	Dead.....	0	1	0	0	0	0	1
	Lost.....	0	0	0	0	0	0	0
Apparently Arrested 36	Living and working.....	6	5	11	0	0	0	22
	Living and not working.....	0	2	6	1	0	0	9
	Dead.....	0	1	4	0	0	0	5
	Lost.....	0	0	0	0	0	0	0
Quiescent 81	Living and working.....	7	14	12	2	4	1	40
	Living and not working.....	0	2	8	0	2	1	13
	Dead.....	7	6	14	0	0	1	28
	Lost.....	0	0	0	0	0	0	0
Improved 114	Living and working.....	19	9	16	0	0	0	44
	Living and not working.....	4	7	7	0	0	0	18
	Dead.....	19	13	10	0	1	0	52
	Lost.....	0	0	0	0	0	0	0
Unimproved 17	Living and working.....	0	0	4	0	0	0	4
	Living and not working.....	0	0	0	0	0	0	0
	Dead.....	3	6	3	0	0	1	13
	Lost.....	0	0	0	0	0	0	0
Total 273	Living and working.....							132
	Living and not working.....							42
	Dead.....							99
	Lost.....							0

ANNUAL TABULATED ITEMS OF EXTENSION WORK

NORTH CAROLINA SANATORIUM, SANATORIUM, N. C., FOR THE YEAR 1917

Letters and postals received.....	20,607
Letters written:	
Individual	20,194
Multigraph	40,501
Total	60,695
Articles written (approximate number words):	
Newspaper	10,070
Bulletin	2,360
Official pamphlet	3,514
Other publication	4,700
Total	20,644
Forms and placards prepared.....	25
Total number copies of forms and placards.....	16,389
Blank cards mailed for reporting cases of tuberculosis.....	6,106
Number cases reported this year:	
White	1,695
Black	1,137
Total	2,832
Literature sent to reported cases.....	3,562
Other literature sent out.....	35,500
Mailing cases distributed	25
Sputum cups distributed	102,450
Tuberculin sent physicians for Von Pirquet diagnostic test.....	486
Blanks for reporting result of Von Pirquet diagnostic test.....	486
Patients' histories written (approx. no. words, 363 histories).....	181,500
Envelopes addressed	46,280
Address delivered:	
Number	33
Total audience	4,750
Local activities:	
Number local investigations	88
Number conferences with local authorities.....	88
Days out of office on official business.....	84
Sputa:	REPORT OF LABORATORY WORK
Chem.	
Miks.	2,159
Urinalyses:	
Chem.	653
Miks.	653
Pleural fluid	11
Spinal fluid	2
Feces	18
Blood	17
Gastric	6
Total	3,519
Total number cases examined for diagnosis.....	536

FINANCIAL STATEMENT

TRIAL BALANCE, DECEMBER 1, 1917

Surplus	\$201,642.50
Real estate, farms	\$ 11,763.34
Real estate and hospital buildings	109,927.43
Barns and silos	2,267.54
Dining hall and kitchen, furniture and fixtures	3,647.80
Hospital, furniture and fixtures	3,522.05
Nurses' Home, furniture and fixtures	444.75
Superintendent's residence, furniture and fixtures	1,448.75
Dairy fixtures	286.00
Farm machinery and tools	1,448.80
Farm, live-stock	1,600.00
Dairy, live-stock	5,765.00
Crockery and silver	760.91
Linen and bedding	6,024.00
Drugs and medicines	133.55
Hospital supplies	3,125.17
Farm expense	520.00
Dairy expense	1,402.00
Provisions	2,204.15
Books—Training School	93.50
Extension Fund	2.60
Bank of Hoke	36.61
Hogs	728.00
Stereopticon outfit	118.20
Library (books donated)	125.00
Office supplies and expenses (business)	324.16
Office supplies and expenses (extension)	239.75
Laboratory and medical office equipment	703.08
Stenographers' building, furnishings	369.65
Office equipment (business)	502.75
Office equipment (extension)	2,444.75
Power, heat, light, water, refrig., and plbg.	29,464.49
Telephone system	1,152.42
Sewer system and disposal plant	4,903.88
Transportation and dray	775.00
Cash	2,445.84
	<hr/>
	\$201,681.71
	<hr/>
	\$201,681.71

PERMANENT IMPROVEMENTS

Disbursements, December 1, 1916, to November 30, 1917

Buildings	217	2	New	\$ 51.36
Equipment:	217	3	Improvements	2,986.74
Furniture and fixtures...	217	5	Dining-room and kitchen.	37.38
Domestic op.:	218	11	Telephones	77.08
	218	12	Heat	92.82
	218	13	Power	4,025.47
	219	14	Light	£2.42
	219	15	Water	14,965.05
	219	16	Refrigeration	11.70
	220	22	Landscape	20.80
	220	24	Sewers	4,903.88

				\$ 27,244.70

EXTENSION FUND

Disbursements, December 1, 1916, to November 30, 1917

Executive	222	26	Salaries	\$ 3,961.76
	222	27	Traveling expense	891.68
Office	222	28	Furniture and fixtures....	705.99
	223	29	Books and stationery....	679.20
	223	30	Stamps	760.03
	223	31	Miscellaneous	606.64

				\$ 7,605.30

MAINTENANCE APPROPRIATION

Disbursements, December 1, 1916, to November 30, 1917

Hospital:	225	33	Medical	4,110.00
Salaries	225	34	Executive	2,303.00
	225	35	Nurses and attendants....	2,445.29
	226	36	Cooks and servants.....	5,390.77
	226	37	Traveling expense	46.40
Supplies	226	38	Bedding and linen.....	793.93
	227	41	Miscellaneous	270.11
Provisions	227	42	Meats	134.81
	227	43	Butter	255.00
	228	45	Vegetables and fruits....	207.25
	228	46	Groceries	605.55
Equipment	228	49	Instruments	78.48
Office	229	51	Equipment	1.25
Domestic op.:	229	53	Stamps	6.50
Power and heat	229	55	Labor	939.50
	230	56	Supplies	1,795.52
	230	57	Miscellaneous	125.05
Light	230	58	Labor	120.00
Water	231	63	Labor	185.00
	231	66	Supplies	36.12

Refg., plbg., and S.....	231	68	Labor	\$ 120.00
	232	72	Labor	180.00
	232	74	Supplies	36.13
Farms	232	77	Buildings	300.80
	233	80	Machinery and tools.....	952.83
	233	81	Seeds and fertilizer.....	352.05
	233	82	Feed	1,040.53
	234	83	Labor	2,274.47
	234	85	Miscellaneous	48.79
Dairy	234	88	Live-stock	2,418.63
	235	91	Feed	349.50
	235	92	Labor	1,047.91
Miscellaneous:	235	95	Labor	44.00
	236	99	Transfer and drayage.....	223.62
	236	102	Supt. res., furn. and fix..	903.81
				\$ 30,142.60

MAINTENANCE—PATIENTS' FUND

Disbursements, December 1, 1916, to November 30, 1917

Hospital:	240	129	Nurses and attendants.....	\$ 14.20
Salaries	240	130	Cooks and servants.....	83.63
Supplies	240	132	Bedding and linen.....	478.03
	241	133	Crockery and silver.....	725.21
	241	134	Drugs and medicines.....	1,001.30
	241	135	Miscellaneous	4,366.01
Provisions	242	136	Meats	5,974.58
	242	137	Butter	1,930.02
	242	138	Eggs	5,819.02
	243	139	Vegetables and fruits.....	1,987.08
	243	140	Groceries	5,401.24
	243	141	Miscellaneous	2,427.62
Equipment	244	142	Furniture and fixtures....	421.86
	244	143	Instruments	124.48
	244	144	Miscellaneous	85.42
Office	245	145	Equipment	82.04
	245	146	Stationery and books.....	292.14
	245	147	Stamps	408.47
Domestic op.:	246	148	Miscellaneous	87.73
Power and heat.....	246	149	Labor	154.25
	246	150	Supplies	5,152.53
	247	151	Miscellaneous	161.20
Light	247	152	Labor	32.28
	247	153	Supplies	172.08
	248	156	Miscellaneous	35.00
Water	248	157	Labor	122.34
	248	158	Equipment	185.92
	249	160	Supplies	91.99
Refrigeration	249	163	Equipment	2.80
	249	164	Supplies	111.97
Plumbing and S.....	250	168	Supplies	28.00

Farms	250	171	Buildings	\$ 146.38
	250	172	Repairs to buildings.....	32.80
	251	174	Machinery and tools.....	207.27
	251	175	Seeds and fertilizers.....	742.31
	251	176	Feed	1,225.32
	252	177	Labor	147.26
	252	179	Miscellaneous	251.66
Dairy	252	181	Rep. to bldgs. and silos..	34.83
	253	182	Live-stock	21.48
	253	183	Fixtures	35.77
	253	184	Supplies	169.27
	254	185	Feed	2,124.03
	254	186	Labor	45.68
Miscellaneous:	254	190	Training School, books...	27.44
	255	191	Messages and tolls.....	390.31
	255	192	Laundry	3,342.46
	255	193	Trans. and drayage.....	1,517.24
	256	196	Refunds	622.50
	256	197	Freight and express.....	1.40
	256	198	Hogs	49.86
	257	199	Landscape	8.58
	257	200	Boiler No. 2.....	5.00
	257	201	Canning	712.59
				\$ 49,821.88

STATEMENT SHOWING DISPOSITION OF FUNDS, 1916-17

PERMANENT IMPROVEMENT FUND

Appropriation	\$ 25,000.00
Transferred from Extension Fund (loan).....	2,244.70
Expenditures as per disbursement statement.....	\$ 27,244.70

MAINTENANCE FUND

Appropriation	\$ 30,000.00
Transferred from Extension Fund (loan).....	142.60
Expenditures as per disbursement statement.....	\$ 30,142.60

EXTENSION FUND

Appropriation	\$ 10,000.00
Loaned to Permanent Imp. Fund.....	\$2,244.70
Loaned to Maintenance Fund.....	142.60
	2,337.30
	\$ 7,612.70
Expenditures as per disbursement statement.....	\$7,605.30
Balance Page Trust Company.....	7.40
Disbursements, Maintenance Appropriation Fund.....	\$ 30,142.60
Disbursements, Maintenance Patients' Fund.....	49,821.88
Total	\$ 79,964.48
Less refund, board and treatment.....	622.50
Amount actually expended	\$ 79,341.98
Total number hospital days.....	44,255
Average cost each patient per day.....	\$1.80

NORTH CAROLINA SANATORIUM FOR THE TREATMENT OF TUBERCULOSIS,
SANATORIUM, N. C.

COMPARATIVE BALANCE SHEETS

	<i>Assets</i>	<i>Dec. 1, 1916</i>	<i>Dec. 1, 1917</i>
Real estate and hospital buildings.....		\$106,808.85	\$109,927.43
Real estate, farms		11,283.38	11,763.34
Barns and silos		2,232.71	2,267.54
Pump station		1,108.21	
Acetylene light plant		645.17	
Electric light and power plant.....		3,569.12	
Ice plant		2,239.80	
Telephone system		1,075.34	1,152.42
Power, heat, light, water, refrigerating and plmbg.....			29,464.49
Sewer system and disposal plant.....			4,903.88

Inventories:

Furniture and fixtures:

Dining hall and kitchen.....		3,642.90	3,647.80
Hospital		3,913.27	3,522.05
Nurses' Home		501.45	444.75
Superintendent's residence		646.40	1,448.75
Business office		430.02	502.75
Extension office		1,643.49	2,444.75
Stenographers' building		145.70	369.65
Dairy		326.73	286.00
Linen and bedding		2,566.60	6,024.00
Laboratory and medical office.....		669.83	703.08
Crockery and silver			760.91
Farm machinery and tools.....		474.15	1,448.80
Automobile and dray		285.00	775.00
Library		125.00	125.00
Stereopticon outfit		118.20	118.20

Supplies:

Hospital		1,866.81	3,125.17
Farm, feed, etc.		484.06	520.00
Dairy, feed, etc.		2,489.60	1,402.00
Provisions		648.58	2,204.15
Coal		85.00	*
Business office		98.35	324.16
Extension office		212.50	239.75
Books, Training School		85.30	93.50
Drugs and medicines			133.55

Live-stock:

Dairy animals		2,890.00	5,765.00
Farm animals		1,710.00	1,600.00
Hogs		1,783.50	1,728.00
Cash		687.74	2,445.84
		<hr/>	<hr/>
		\$159,072.52	\$201,681.71
Increase in assets			42,609.19

Liabilities and Surplus

	<i>Dec. 1, 1916</i>	<i>Dec. 1, 1917</i>
Page Trust Company, overdraft.....	\$ 10.00	\$ 2.60
Bank of Hoke	96.39	36.61
Surplus	158,966.13	201,642.50
	\$159,072.52	\$201,681.71

CASH REPORT OF THE NORTH CAROLINA SANATORIUM, YEAR ENDING
NOVEMBER 30, 1917

State appropriations:

Permanent improvement	\$ 25,000.00
Extension	10,000.00
Maintenance	30,000.00
Page Trust Company, overdraft.....	2.60
Bank of Hoke, overdraft.....	96.39
	\$ 65,039.21

Patients' maintenance:

Patients' board and treatment.....	\$ 46,224.10
Auto	403.33
Laundry	1,111.69
Hospital supplies	1,699.26
Telephone and telegraph.....	57.55
Postoffice (rent)	22.50
Farms	309.08
Dairy	252.95
Examinations	75.00
Provisions	533.02
Power, heat, etc.	684.08
Salaries	7.20
Hogs	200.00
Cash on hand December 1, 1916.....	687.74
	\$ 52,327.50

Less:

Cash on hand December 1, 1917.....	\$2,445.84
Page Trust Co., overdraft.....	10.00
Bank of Hoke, overdraft.....	96.39
	2,552.23
	49,775.27

Expenditures as per disbursement sheet..... \$114,814.48

NUMBER OF PATIENTS SUPPORTED BY AGENCIES OTHER THAN SELF, AND NAME OF
ORGANIZATION AND AMOUNT PAID, 1917

<i>Name of Club or Organization</i>	<i>Number Patients Supported</i>	<i>Amount Paid</i>
Woman's Club, Raleigh, N. C.....	2	\$ 191.00
Pasquotank County, Elizabeth City, N. C.....	2	151.00
Proximity Mfg. Co., Greensboro, N. C.....	1	198.00
The Hearthstone, Chicago, Ill.....	1	146.00
Buncombe County, Asheville, N. C.....	1	243.00
Associated Charities, Winston-Salem, N. C.....	1	121.00
Junior Order, Winston-Salem, N. C.....	2	75.00
Jefferson Standard Life Ins. Co., Greensboro, N. C....	2	302.00
Woman's Club, Greensboro, N. C.....	3	563.00
Forsyth County, Winston-Salem, N. C.....	1	122.00
Associated Charities, Goldsboro, N. C.....	2	532.00
Hoke County, Raeford, N. C.....	1	62.00
Town of Maxton, Maxton, N. C.....	1	31.00
Associated Charities, New Bern, N. C.....	1	30.00
Sunday School, First Pres. Church, Raleigh, N. C....	1	92.00
British Government, Wilmington, N. C. (consulate) ..	1	346.00
Anti-Tuberculosis Society, Concord, N. C.....	1	62.00
Methodist Orphanage, Raleigh, N. C.....	1	214.00
Vick Chemical Company, Greensboro, N. C.....	1	91.00
Presbyterian Church, Kinston, N. C.....	1	182.00
Total	27	\$3,754.00

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